

# ● PRINTER RUSH ●

(PTO ASSISTANCE)

Application : <u>09632393</u>	Examiner : <u>Tsegaye</u>	GAU : <u>2662</u>
From: <u>NRB</u>	Location: <u>IDC</u> FMF FDC	Date: <u>11/30/05</u>
Tracking #: <u>epm 09632393</u> Week Date: <u>10/24/05</u>		

DOC CODE	DOC DATE	MISCELLANEOUS
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**[RUSH] MESSAGE:**

Please provide missing Serial numbers on page 1,  
lines 12 and 14. (docket no. is listed instead of a  
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**[XRUSH] RESPONSE:**

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**INITIALS:** PK

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 REV 10/04

## CIRCUIT INTEGRITY IN A PACKET-SWITCHED NETWORK

### CROSS REFERENCE TO RELATED APPLICATIONS

The present application claims the benefit of priority  
5 of U.S. Provisional Patent Application No. 60/147,462, filed  
August 6, 1999, and incorporated herein by reference.

The following U.S. Patent Applications, filed  
concurrently with this application and assigned to the  
assignee of this application, are incorporated herein by  
10 reference: (1) "Communications Using Hybrid Circuit-  
Switched and Packet-Switched Networks," *Serial Number 09/633523 filed*  
*8/4/2000* ~~attorney docket~~  
~~no. 06269-022001 (PA080035)~~ and (2) "Bandwidth Management  
in a Communications System Using Circuit-Switched and  
Packet-Switched Networks," *Serial Number 09/633524 filed 8/6/2000*  
~~attorney docket no. 06269-~~  
15 ~~025001 (PA090005)~~.

### BACKGROUND

The invention relates to circuit integrity in a packet-  
switched network.

20 System Signal 7 (SS7) messages are often used to  
provide control signals in various telecommunications  
systems, such as telephone systems, and provide a mechanism,  
known as continuity check, for checking the integrity of a  
circuit between two switching network endpoints during call  
25 setup. Continuity checks originally were developed for  
analog facilities and consist, for example, of a frequency  
tone transmitted by the originating exchange and looped back